## AMENDMENTS TO THE CLAIMS:

This listing of Claims will replace all prior versions, and listings, of Claims in the Application:

### Listing of Claims.

## 1-18 (CANCELLED)

19 (PREVIOUSLY PRESENTED): An electrode active material comprising a compound of the formula

# $A_nM_e^1M_e^2M_g^3PO_4$

wherein

- (a) A is selected from the group consisting of Li, Na, K, and mixtures thereof, where 0 < a < 1:
- (b)  $M^1$  is a +2 oxidation state transition metal, where c > 0;
- (c)  $M^2$  is a +2 oxidation state non-transition metal, where f > 0; and
- (d)  $M^3$  is a +3 oxidation state non-transition metal, where g > 0; and wherein a + 2e + 2f + 3g = 3, and a, e, f and g are selected so as to maintain electroneutrality of said compound.

20 (ORIGINAL): An electrode active material according to Claim 19, wherein M<sup>1</sup> is selected from the group consisting of Fe, Co, Ni, Ti, V, Cr, Mn, and mixtures thereof.

- 21 (ORIGINAL): An electrode active material according to Claim 19, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.
- 22 (ORIGINAL): An electrode active material according to Claim 19, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In and mixtures thereof.
- 23 (ORIGINAL): An electrode active material according to Claim 19, wherein  $0 < (e + f + g) \le 2$ .
- 24 (ORIGINAL): An electrode active material according to Claim 23, wherein  $0.8 \le (e + f + g) \le 1.5$ .
- 25 (ORIGINAL): An electrode active material according to Claim 24, wherein  $1.0 \le (e + f + g) \le 1.5$ .

#### 26 - 41 (CANCELLED)

42 (ORIGINAL): An electrode comprising a binder; an electrically conductive carbonaceous material; and an active material of Claim 19.

#### 43 - 44 (CANCELLED)

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45 (CURRENTLY AMENDED): A lithium battery comprising:

(a) a first electrode comprising an active material according to Claim 1 represented by the formula

## $A_nM^1_eM^2_fM^3_ePO_4$

#### wherein

- (i) A is selected from the group consisting of Li, Na, K, and mixtures thereof,
   where 0 < a < 1;</li>
- (ii)  $M^1$  is a +2 oxidation state transition metal, where e > 0;
- (iii)  $M^2$  is a +2 oxidation state non-transition metal, where f > 0; and
- (iv)  $M^3$  is a +3 oxidation state non-transition metal, where g > 0; and wherein a + 2e + 2f + 3g = 3, and a. e. f and g are selected so as to maintain electroneutrality of said active material;
- (b) a second electrode which is a counter-electrode to said first electrode; and
- (c) an electrolyte between said electrodes.

46 (CURRENTLY AMENDED): A lithium battery [[of]] according to Claim 45, wherein said first electrode is a cathode, and said second electrode is an insertion anode.

47 (CURRENTLY AMENDED): A lithium battery [[of]] according to Claim 46, wherein said second electrode comprises a material selected from the group consisting of a metal oxide, metal chalcogenide, carbon, graphite and mixtures thereof.

48 - 51 (CANCELLED)

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52 (PREVIOUSLY PRESENTED): An electrode active material comprising a compound of the formula

# $A_aM_e^1M_g^2M_g^3PO_4$

wherein

- (a) A is selected from the group consisting of Li, Na, K, and mixtures thereof, where 0 < a < 1:
- (b)  $M^1$  is  $Fe^{+2}$ , where e > 0;
- (c)  $M^2$  is a +2 oxidation state non-transition metal, where f > 0; and
- (d)  $M^3$  is a +3 oxidation state non-transition metal, where g > 0; and wherein a + 2e + 2f + 3g = 3; and a, e, f and g are selected so as to maintain electroneutrality of said compound.

53 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 52, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.

54 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 52, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In and mixtures thereof.

55 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 52, wherein A is Li.

56 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 52, wherein  $0 < (e + f + g) \le 2$ .

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57 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 56, wherein  $0.8 \le (e + f + g) \le 1.5$ .

58 (PREVIOUSLY PRESENTED): An electrode active material according to Claim 57, wherein  $1.0 \le (e + f + g) \le 1.5$ .

59 (PREVIOUSLY PRESENTED): An electrode comprising an active material of Claim 52.

- 60 (CURRENTLY AMENDED): A lithium battery comprising:
  - (a) a first electrode comprising an active material [according to Claim 52]

    represented by the formula

## $A_3M^1_eM^2_fM^3_oPO_4$

wherein

- (i) A is selected from the group consisting of Li, Na, K, and mixtures thereof,
   where 0 < a < 1;</li>
- (ii)  $M^1$  is  $Fe^{+2}$ , where e > 0;
- (iii) M<sup>2</sup> is a +2 oxidation state non-transition metal, where f > 0; and
- (iv) M³ is a +3 oxidation state non-transition metal, where g > 0; and wherein a
  + 2e + 2f + 3g = 3; and a, e, f and g are selected so as to maintain
  electroneutrality of said active material;
- (b) a second electrode which is a counter-electrode to said first electrode; and
- (c) an electrolyte between said electrodes.

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61 (NEW): An electrode active material represented by the formula

$$A_{u+x}M^{1}_{e}M^{2}_{f}M^{3}_{g}P_{1-x}Si_{x}O_{4}$$

wherein

- (a) A is selected from the group consisting of Li, Na, K, and mixtures thereof, where 0 < a < 1 and  $0 < x \le 1$ ;
- (b)  $M^1$  is a +2 oxidation state transition metal, where e > 0;
- (c)  $M^2$  is a +2 oxidation state non-transition metal, where f > 0; and
- (d)  $M^3$  is a +3 oxidation state non-transition metal, where g > 0;

wherein a + 2e + 2f + 3g = 3, and a, x, e, f and g are selected so as to maintain electroneutrality of said electrode active material;

with the proviso that when M<sup>1</sup> is Fe or Mn, M<sup>2</sup> is not Mg, Zn or Ca and M<sup>3</sup> is not Al, Ga or Zn.

62 (NEW): An electrode active material according to Claim 61, wherein M<sup>1</sup> is selected from the group consisting of Fe, Co, Ni, Ti, V, Cr, Mn, and mixtures thereof.

63 (NEW): An electrode active material according to Claim 61, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.

64 (NEW): An electrode active material according to Claim 61, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In, and mixtures thereof.

65 (NEW): An electrode active material according to Claim 61, wherein A is Li.

66 (NEW): An electrode active material according to Claim 61, wherein  $0 < (e + f + g) \le 2$ .

67 (NEW): An electrode active material according to Claim 66, wherein  $0.8 \le (e + f + g) \le 1.5$ .

68 (NEW): An electrode active material according to Claim 67, wherein  $1.0 \le (e + f + g) \le 1.5$ .

69 (NEW): A battery, comprising:

(a) a first electrode comprising an active material represented by the formula  $A_{n+x}M^{1}{}_{e}M^{2}{}_{f}M^{3}{}_{e}P_{1-x}Si_{x}O_{4}$ 

wherein

- (i) A is selected from the group consisting of Li, Na, K, and mixtures thereof, where 0 < a < 1 and  $0 < x \le 1$ ;
- (ii)  $M^1$  is a +2 oxidation state transition metal, where e > 0;
- (iii)  $M^2$  is a +2 oxidation state non-transition metal, where f > 0; and
- (iv)  $M^3$  is a +3 oxidation state non-transition metal, where g > 0;
- (v) wherein a + 2e + 2f + 3g = 3, and a, x, e, f and g are selected so as to maintain electroneutrality of said active material;
- (vi) with the proviso that when M<sup>1</sup> is Fe or Mn, M<sup>2</sup> is not Mg, Zn or Ca and M<sup>3</sup> is not Al, Ga or Zn;
- (b) said battery further comprising a second electrode which is a counter-electrode to said first electrode; and
  - (c) an electrolyte.

70 (NEW): A battery according to Claim 69, wherein said first electrode is a cathode, and said second electrode is an insertion anode.

71 (NEW): A battery according to Claim 69, wherein said second electrode comprises a material selected from the group consisting of a metal oxide, metal chalcogenide, carbon, graphite and mixtures thereof.

72 (NEW): A battery according to Claim 69, wherein M<sup>1</sup> is selected from the group consisting of Fe, Co, Ni, Ti, V, Cr, Mn, and mixtures thereof.

73 (NEW): A battery according to Claim 69, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.

74 (NEW): A battery according to Claim 69, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In, and mixtures thereof.

75 (NEW): A battery according to Claim 69, wherein A is Li.

76 (NEW): A battery according to Claim 69, wherein  $0 < (e + f + g) \le 2$ .

77 (NEW): A battery according to Claim 76, wherein  $0.8 \le (e + f + g) \le 1.5$ .

78 (NEW): A battery according to Claim 77, wherein  $1.0 \le (e + f + g) \le 1.5$ .

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79 (NEW): A battery according t Claim 45, wherein M<sup>1</sup> is selected from the group consisting of Fe, Co, Ni, Ti, V, Cr, Mn, and mixtures thereof.

80 (NEW): A battery according to Claim 45, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.

81 (NEW): A battery according to Claim 45, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In, and mixtures thereof.

82 (NEW): A battery according to Claim 45, wherein A is Li.

83 (NEW): A battery according to Claim 45, wherein  $0 < (e + f + g) \le 2$ .

84 (NEW): A battery according to Claim 83, wherein  $0.8 \le (e + f + g) \le 1.5$ .

85 (NEW): A battery according to Claim 84, wherein  $1.0 \le (e + f + g) \le 1.5$ .

86 (NEW): A battery according to Claim 60, wherein said first electrode is a cathode, and said second electrode is an insertion anode.

87 (NEW): A battery according to Claim 86, wherein said second electrode comprises a material selected from the group consisting of a metal oxide, metal chalcogenide, carbon, graphite and mixtures thereof.

88 (NEW): A battery according to Claim 60, wherein M<sup>2</sup> is selected from the group consisting of Be, Mg, Ca, Sr, Ba, and mixtures thereof.

89 (NEW): A battery according to Claim 60, wherein M<sup>3</sup> is selected from the group consisting of B, Al, Ga, In, and mixtures thereof.

90 (NEW): A battery according to Claim 60, wherein A is Li.

91 (NEW): A battery according to Claim 60, wherein  $0 < (e + f + g) \le 2$ .

92 (NEW): A battery according to Claim 91, wherein  $0.8 \le (e + f + g) \le 1.5$ .

93 (NEW): A battery according to Claim 92, wherein  $1.0 \le (e + f + g) \le 1.5$ .